

UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for nonprovisional applications under 37 CFR § 1.53(b))</small>		Attorney Docket No. UBAT1420	
		First Inventor or Application Identifier Stephen F. Smith, et al.	
		Title MULTIDIMENSIONAL SIGNAL MODULATION AND/OR DEMODULATION FOR DATA COMMUNICATIONS	U.S. PTO 10726446 22278
		Express Mail Label No. EV338102577US	
APPLICATION ELEMENTS <small>See MPEP chapter 600 concerning utility patent application contents.</small>		Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	
1. <input checked="" type="checkbox"/> Fee Transmittal for FY 2003 <small>(Submit an original and a duplicate for fee processing)</small>		6. <input type="checkbox"/> Microfiche Computer Program (Appendix)	
2. <input checked="" type="checkbox"/> Specification [Total Pages] 67 <small>(preferred arrangement set forth below)</small> <input checked="" type="checkbox"/> Descriptive Title of the Invention <input checked="" type="checkbox"/> Cross References to Related Applications <input checked="" type="checkbox"/> Background of the Invention <input checked="" type="checkbox"/> Summary of the Invention <input checked="" type="checkbox"/> Brief Description of the Drawings (if filed) <input checked="" type="checkbox"/> Description of Preferred Embodiments <input checked="" type="checkbox"/> References <input checked="" type="checkbox"/> Claim(s) <input checked="" type="checkbox"/> Abstract of the Disclosure		7. Nucleotide and Amino Acid Sequence Submission <small>(if applicable, all necessary)</small> a. <input type="checkbox"/> Computer-Readable Copy b. <input type="checkbox"/> Paper Copy (identical to computer copy) c. <input type="checkbox"/> Statement verifying identity of above copies	
3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets] 13		ACCOMPANYING APPLICATION PARTS	
4. <input type="checkbox"/> Oath or Declaration [Total Pages] a. <input type="checkbox"/> Unexecuted (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <small>(for continuation/divisional with Box 17 completed)</small> i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)		8. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <small>(when there is an assignee)</small> 10. <input type="checkbox"/> English Translation Document (if applicable) 11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 12. <input type="checkbox"/> Preliminary Amendment 13. <input checked="" type="checkbox"/> Return Receipt Postcard 14. <input type="checkbox"/> Small Entity <input type="checkbox"/> Statement filed in prior application, Status still proper and desired 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <small>(if foreign priority is claimed)</small> 16. <input checked="" type="checkbox"/> Other: Certificate of Mailing; Filing Fee	
17. If a CONTINUING APPLICATION , check appropriate box and supply the requisite information below and in a preliminary amendment <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-In-Part (CIP) of prior Application No.: _____ Prior application information: Examiner _____ Group / Art Unit _____			
<input type="checkbox"/> Claims the benefit of Provisional Application No. _____			
CORRESPONDENCE ADDRESS:			
Gray Cary Ware & Freidenrich LLP 1221 South MoPac Expressway, Suite 400 Austin, TX 78746-6875 Tel. (512) 457-7233 Fax. (512) 457-7001		Customer No. : 25094	

TYPED or PRINTED NAME John J. BrucknerREGISTRATION NO. **35,816**

SIGNATURE _____

DATE: **December 3, 2003**

13146
U.S. PTO

PTO/SB/17 (11-01)

Approved for use through 04/30/2003. OMB 0651-0032
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FEE TRANSMITTAL for FY 2003		Complete if Known	
		Application Number	Unknown
Effective 01/01/2003. Patent fees are subject to annual revision.		Filing Date	December 3, 2003
		First Named Inventor	Stephen F. Smith, et al.
		Examiner Name	Unknown
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Art Unit	Unknown
TOTAL AMOUNT OF PAYMENT	(\$ 770.00)	Attorney Docket No.	UBAT1420

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)			
<input checked="" type="checkbox"/> Check	<input type="checkbox"/> Credit Card				
Deposit Account Number	50-0456				
Deposit Account Name	Gray Cary Ware & Freidenrich LLP				
The Commissioner is authorized to: (check all that apply)					
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<input type="checkbox"/> Charge fee(s) indicated below, except for filing fee to the above-identified deposit account.					
FEE CALCULATION		3. ADDITIONAL FEES			
1. BASIC FILING FEE		Large Entity Small Entity			
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	375	Utility filing fee	770.00
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1) (\$ 770.00)					
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE					
Total Claims	20	-20** =	0	X	Fee Paid
Independent Claims	2	-3** =	0	X	0
Multiple Dependent		X			
Large Entity	Small Entity	Fee Description			
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	84	2201	42	Independent claims in excess of 3	
1203	280	2203	140	Multiple dependent claim, if not paid	
1204	84	2204	42	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2) (\$ 0.00)					
**or number previously paid, if greater; For Reissues, see above					
		Other fee (specify)			
		* Reduced by Basic Filing Fee Paid			
		SUBTOTAL (3) (\$)			

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	John J. Bruckner	Registration No. (Attorney/Agent)	35,816
Signature		Telephone	512-457-7233
		Date	Dec. 3, 2003

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE	
CERTIFICATE OF MAILING BY "EXPRESS MAIL"	Atty Docket No. (Optional) UBAT1420
Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 Sir:	In the Application of: Stephen F. Smith, et al.
	Date Filed: December 3, 2003
	Title: MULTIDIMENSIONAL SIGNAL MODULATION AND/OR DEMODULATION FOR DATA COMMUNICATIONS

I hereby certify that the attached Utility Patent Application Transmittal Form, Fee Transmittal, Utility Patent Application, thirteen (13) pages of Drawings, Check and Postcard are being deposited with the United States Postal Service "EXPRESS MAIL Post Office to Addressee" service under 37 C.F.R. § 1.10, Mailing Label Certificate No. **EV338102577US**, on **December 3, 2003** addressed to: **Mail Stop Patent Application**, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Respectfully submitted,

Gray Cary Ware & Freidenrich LLP


 Laura M. McGuire